

## LFP POWERPACKS

### SCALABLE ENERGY STORAGE



Longer life with increased charge cycles



One third of the weight of equivalent lead acid batteries



Smart Battery Management System built in for easy recharge and safety



Fully recyclable



Non toxic - no lead, no heavy metals



Zero emissions and rated to 55°C operating temperature



Australian designed and engineered



# SPECIFICATIONS

Each LFP battery uses stable Lithium Ferro Phosphate (LiFePO<sub>4</sub>) chemistry combined with the safety of a Battery Management System (BMS). The BMS protects the battery from over voltage/over current events and monitors internal cell temperatures.



Nominal Voltage	12.8V (12V)
Nominal Capacity	50Ah
Nominal Current	10A
Max Current	20A
Charge/Discharge Cycles	5000 @ 75% DoD, 25°C
Operating Temp	Charge 0° to 55°C Discharge -20° to 60°C
Ingress Protection	IP52
Size (L x W x H)	178mm x 128mm x 240mm
Connection	Weipu 9-pin IP67
Weight	7.5kg
BMS Over Volt Cut Off	14.6V
BMS Under Volt Cut Off	10V
BMS Short Circuit Cut Off	140 ± 30A (20mS Trip)
BMS Over Temp Cut Off	65°C
Charge Time	Approx. 5 hours at 10A
Warranty	See <a href="http://www.genz.com.au">www.genz.com.au</a>

Product design and specification subject to change or modification without notice - images for illustration only. E80E.

## Featuring

- Significantly reduced size and one third of the weight of equivalent lead acid batteries.
- Battery Management System built in - easy recharge and more cycles
- LFP batteries are fully recyclable
- Non toxic - no lead, no heavy metals
- Zero emissions and rated to 55°C operating temperature
- 100% depth of discharge (DoD) possible every cycle
- Faster recharge at >96% efficiency

## Your benefits

- Lighter weight and smaller size for ease of handling
- 4 times longer cycle life than lead acid means less replacements and lower maintenance costs
- All materials in the LFP batteries can be extracted and recycled and are accepted by commercial recyclers
- The LFP chemistry means no expansion, emissions or excess heat generation
- The built in Battery Management System will always protect the cells - great for constant demand from vital systems
- LFP gives approx. 5000 cycles compared to 1000 cycles over lead acid at 75% depth of discharge (DoD).

## Contact Us

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